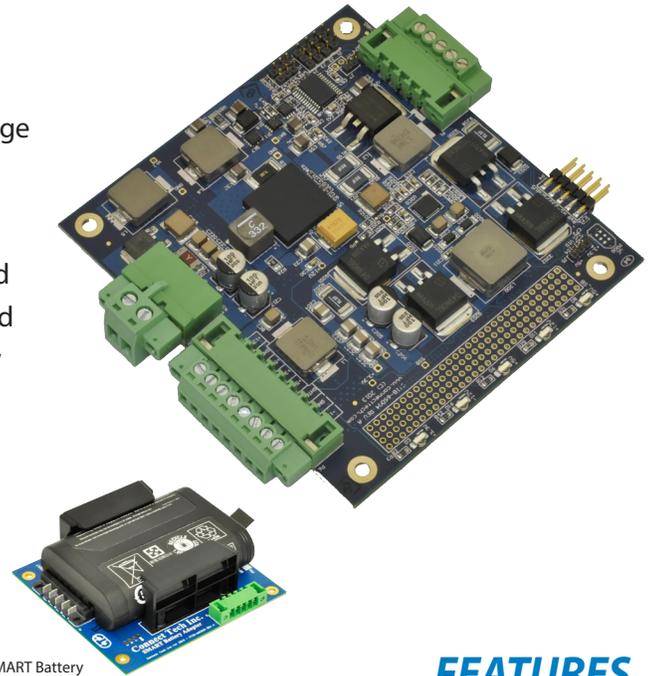**Connect Tech Inc.**

# Xtreme/PSU-UPS

Connect Tech's Xtreme/PSU-UPS is a high efficiency, high powered PC/104 form factor power supply featuring a wide input voltage range that accepts +6V to +36V DC, and provides 154W of total output power with +5V, +12V, -12V, +3.3V and +5 standby output voltages.

Xtreme/PSU-UPS features SMART battery charging for uninterrupted power supply and battery backup functionality, along with extended temperature capabilities. Use this with Connect Tech's Smart Battery Adapter ADG061 (also pictured right)

Xtreme/PSU-UPS can be used in combination with Connect Tech's stackable CPU and expansion boards for a total design solution, and is ideal for use in a broad range of rugged military and industrial applications.

SMART Battery Adapter (ADG061)

## FEATURES

✓ SMART battery charging for uninterrupted power supply

✓ 154W total output power, +5V, +12V, -12V, +3.3V, and +5V standby

✓ PCI-104 expansion

✓ Fully meets PC/104 component height requirements

✓ Uses latest generation highest efficiency power controllers, inductors, and MOSFETs

✓ Oversized MOSFETs for improved thermal performance (heat sinking not required)

| Specifications | |
|---|---|
| **Dimensions** | PC/104 Standard 3.55" (90mm) x 3.775" (96mm) |
| **Bus Expansion Options** | |
| • SCG001: | PCI-104 (PCI) |
| • SCG002: | Embedded (No Bus Connectors) |
| **Input** | |
| • Power Requirements: | +6V to +36V DC |
| • Protection: | Reverse polarity protection and transient voltage suppression and series fuse |
| **Output** | |
| • Total Power | 154W |
| • +3.3V | 10A maximum continuous for full -40 to +85 range |
| • +5V | 10A maximum continuous for full -40 to +85 range |
| • +12V | 5A maximum continuous for full -40 to +85 range |
| • -12V | 0.5A maximum continuous for full -40 to +85 range |
| • +5V Standby | 1A maximum continuous for full -40 to +85 range |
| • Regulation | Less than 1% |
| • Protection | Overload protection and transient voltage surpression |
| • Efficiency | Up to 93% |
| **Battery** | **Fully compatible with all SMART external batteries, supporting charging up to 16V, 4A** |
| **Monitor/Control** | **On-board USB, RS-232 and SMbus interfaces for battery monitoring and power on/off control** |
| **Operating Temperature** | -40°C to +85°C  (-40°F to 185°F) |
| **Connectors** | Output: 3.5mm pitch standard terminal block header and mating plug Input: 5mm pitch standard terminal block header and mating plug |
| **Warranty and Support** | Lifetime warranty and free technical support |

**RoHS**

Specifications subject to change without notice.
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